

WHAT IS CLAIMED IS:

- 1 1. A vent for a corrugated wall, comprising:
2 a sheet of material bent to form two or more panels such that the vent fits within the
3 corrugations of the corrugated wall, wherein the sheet of material includes one or
4 more openings.
- 1 2. The vent of claim 1 wherein the one or more of the panels is substantially
2 rectangular in shape.
- 1 3. The vent of claim 1, wherein the sheet of material is made from a ferrous or
2 non-ferrous metal, fiberglass, vinyl, or plastic material.
- 1 4. The vent of claim 1 wherein the two or more panels are sized such that no
2 portion of the vent protrudes beyond an outer surface of the corrugated wall.
- 1 5. The vent of claim 1 further comprising a screen having screen openings
2 smaller than the one or more openings in the vent attached to the sheet of
3 material such that the screen covers the openings in the vent.
- 1 6. The vent of claim 1 wherein the one or more openings include a plurality of
2 louvers.
- 1 7. The vent of claim 6 wherein the louvers are arranged in a chevron pattern on
2 one or more of the panels.
- 1 8. The vent of claim 1 wherein the two or more panels include a central panel
2 disposed between two outer panels.
- 1 9. The vent of claim 8 wherein each of the two or more outer panels is bent at an
2 angle of greater than 0° and up to about 90° with respect to the inner panel.
- 1 10. The vent of claim 9 wherein each of the two or more outer panels is bent at an
2 angle of about 28° with respect to the inner panel.
- 1 11. The vent of claim 8 wherein each of the outer panels has a length that is
2 slightly less than a length of corresponding slanted portions of a corrugated
3 wall to which the vent is to be attached.

- 1 12. The vent of claim 8 wherein each of the outer panels is bent at approximately
2 a right angle with respect to the central portion.
- 1 13. The vent of claim 8 further comprising first and second side wings, each side
2 wing being respectively attached to one of the outer panels.
- 1 14. The vent of claim 8 wherein the side wings are bent at an angle with respect to
2 the outer panels such that the side wings overlap a peak portion of a
3 corrugated wall to which the vent is to be attached.
- 1 15. The vent of claim 14 wherein the side wings are bent at approximately a right
2 angle with respect to the outer panels and the outer panels are bent at
3 approximately right angles with respect to the central panel.
- 1 16. The vent of claim 8 further comprising additional panels so that the vent may
2 cover multiple corrugations in the corrugated wall.
- 1 17. A method for ventilating a corrugated cargo container, the method comprising:
2 forming a hole in a wall of the cargo container;
3 covering the hole with a sheet of material bent to form two or more panels such that
4 the vent fits within the corrugations of the cargo container, wherein the sheet of
5 material includes one or more openings.
- 1 18. The method of claim 17 further comprising attaching a screen to the panels,
2 wherein the screen covers the openings.
- 1 19. The method of claim 17 wherein the hole has slightly smaller dimensions than
2 the dimensions of the vent so that the vent at least partially overlaps the
3 corrugated wall.
- 1 20. The method of claim 17 wherein the vent is attached to the corrugated wall by
2 riveting, welding, taping, sheet metal screws, or gluing.
- 1 21. The method of claim 17, further comprising sealing the vent to the corrugated
2 wall.
- 1 22. The method of claim 17 further comprising covering the hole with a screen
2 having screen openings that are smaller than the openings in the vent.

- 1 23. The method of claim 22 wherein the screen includes a frame made of a
2 material that can be bent to conform to the corrugations of the wall.
- 1 24. The method of claim 23 wherein the screen is attached to one side of the
2 corrugated wall and the vent is attached to the other side of the corrugated
3 wall.
- 1 25. The method of claim 23 wherein the vent and the screen are attached to the
2 wall using fasteners that penetrate the vent, the wall, and the frame.
- 1 26. A cargo container, comprising:
2 three or more walls, a floor and a roof arranged in a substantially box-like
3 configuration, wherein at least one of the walls includes one or more corrugations;
4 and
5 one or more vents attached to the wall having the corrugations, wherein the vent
6 includes a sheet of material bent to form two or more panels such that the vent fits
7 within the corrugations of the cargo container, wherein the sheet of material includes
8 one or more openings.
- 1 27. The cargo container of claim 26 wherein the two or more panels are sized such
2 that no portion of the vent protrudes beyond an outer surface of the corrugated
3 wall.
- 1 28. The cargo container of claim 26 wherein the vent includes a screen having
2 screen openings smaller than the one or more openings in the vent, the screen
3 being attached to the sheet of material such that the screen covers the openings
4 in the vent.
- 1 29. The cargo container of claim 28 wherein the screen is attached to one side of
2 the corrugated wall and the vent is attached to the other side of the corrugated
3 wall.

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